

Spectroscopic Analysis by Means of Evaporation., 75-13-3-24/27  
Communication 6. The Determination of Cadmium,  
Germanium, Indium, Gallium, Gold, Antimony and Lead in  
Pitchblende

mean quadratic error of an individual determination of one  
of the above-mentioned elements does not exceed 15-20%.  
The analytical lines of the individual elements used for  
the determinations and the different sensitivities are gi-  
ven. A. N. Zaydel' gave valuable advice, G. G. Kuid per-  
formed the control experiments.  
There are 1 figure, 1 table, and 3 references, 3 of which  
are Soviet.

ASSOCIATION: Leningradskiy gosudarstvennyy universitet im. A. A.  
Zhdanova  
(Leningrad State University imeni A. A. Zhdanov)

SUBMITTED: February 7, 1957  
1. Evaporation--Applications 2. Pitchblende--Spectrographic  
analysis

Card 4/4

YAKIMOVA, P. P.

SOV/2402

PHASE I BOOK EXPLOITATION

5(2)

Al'manakh nauki SSSR. Institut goskimi i analiticheskoy khimii  
Rudskaya ulitsa 28B. Institut goskimi i analiticheskoy khimii  
Reduktsionnyye elementy: polucheniye, analiza, primeneniye (Nauka March Elements:  
Production, Analysis, and Use) Moscow, 194-w Al 828B, 1979. 351 p.  
5,000 copies printed.

Red. M. I. Pribludnyy, Professo; Eds. of Publishing House: D. E. Trifunov  
and T. G. Levit; Tech. Eds. S. G. Markovitch, Editorial Board: I. P. Alimarin,  
Corresponding Member, V. Koltsovo, Candidate of Chemical Sciences, V. I.  
Chemical Sciences, N. Koltsovo, N. K. Selezneva, Candidate of Chemical  
Sciences, and Yu. I. Shlyuzhenko, Candidate of Chemical Sciences.

PREFACE: This book is intended for chemists in general and for geologists and  
analytical chemists in particular.

CONTENTS: This collection of articles consists of reports presented at the 1966  
March Elements Symposium held in June 1966 at the Institute of Geochemistry  
and Analytical Chemistry under V. I. Vernadsky. The book may be divided in-  
to three sections: the characteristics, uses and production of rare earth  
elements (RE); the methods of analyzing RE; and the application of RE  
elements in various fields. Considerable attention is devoted to the  
detection and their use as catalysts. Considerable attention is devoted to the  
application of low-temperature chromatography in the production of pure RE  
of all rare earth elements. The combination of this method with other methods  
in separating RE as in industrial scale are discussed by D. E. Trifunov,  
Yu. I. Shlyuzhenko, and N. K. Selezneva. Chemical methods of separating  
RE compounds are discussed by N. K. Selezneva, V. I. Pribludnyy, E. P.  
in the RE to develop methods of processing RE. V. I. Pribludnyy, E. P.  
Alimarin, A. V. Vinogradov, and G. P. Akhmetov. Quantitative analytical  
analytical methods are described by E. Ya. Vaynshteyn, and the determination  
of RE by I. P. Alimarin and V. I. Pribludnyy. The determination of RE  
in these articles is pure products and atomic materials are discussed at length  
in these articles by A. B. Zaytsev and his associates. All articles are ac-  
companied by paragraphs, diagrams, tables, and bibliographic references.

Polubov, E. I. and V. A. Shumova. Fluorescent Determination of RE  
Small Quantities of Europium. 208

Rudskaya, E. I. and E. A. Yarovskaya. On the Problem of an Ac-  
celerated Method of Determining the Content of Radium Oxide in a  
K-25 Preparation 214

Vaynshteyn, E. Ya., I. F. Shumakov, and A. T. Shmal'tsiy. The  
Process of Applying the X-Ray Spectral Method of Analysis in Control-  
ling Technological Processes in Producing Individual Rare Earth Elements 217

Zaytsev, A. B., E. I. Mal'tsevskiy, and A. V. Zaytsevskiy. Spectro-  
chemical Determination of Dy, Sm, and Eu in "Radiochemicals. Con-  
struction I. Principle of the Method and its Application to the  
Analysis of Barium 239

Zaytsev, A. B., E. I. Mal'tsevskiy, A. V. Zaytsevskiy, and P. P.  
Yakovlev. Spectrochemical Determination of Dy, Sm, and Eu in Atomic  
Materials. Communication II. Analysis of Thorium and Uranium  
Materials. 251

ZAYDEL', A.N.; FAFURINA, E.N.; YAKIMOVA, P.P.; YAKOVLEVA, S.S.

Spectral determination of rare earth elements extracted from  
minerals and ores. Vest. LGU 15 no.4:48-59 '60. (MIRA 13:2)  
(Rare earths--Spectra)  
(Yttrium--Spectra)

33431  
S/048/62/026/001/007/018  
B125/B104

24,3500 (1137,1138,1144)

AUTHORS:

Zaydel', A. N., Lazeyeva, G. S., Ostrovskaya, G. V., and  
Yakimova, P. P.

TITLE:

Luminescence of gadolinium salts

PERIODICAL:

Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya,  
v. 26, no. 1, 1962, 74-80

TEXT: The luminescence spectrum of the  $Gd^{3+}$  ion has been thoroughly investigated on  $GdCl_3 \cdot 6H_2O$  and on a 0.1-1% aqueous solution of  $GdCl_3$ ;  $Gd_2(SO_4)_3 \cdot 6H_2O$ ;  $Gd_2(SO_4)_3$ ;  $Gd_2(SO_4)_3$ ; and  $Gd(C_2H_5SO_4)_3$ . The spectra obtained from a synchronous spark phosphoroscope were recorded by a high-power E-517 (Ye-517) quartz spectrograph at room and liquid-air temperatures. Irradiation with the light of the iron spark sharply reduces the intensity of luminescence of the  $GdCl_3$  solution (concentration ~0.1-1%) in neutral and weakly acid solutions, while it is much less decreased in acid solutions with HCl excess. The decrease differs with  
Card 1/4

X

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S/048/62/026/001/007/018  
B125/B104

## Luminescence of gadolinium salts

different solutions. The luminescence of solutions cannot be restored by boiling, addition of HCl or H<sub>2</sub>O<sub>2</sub>, or by precipitation of gadolinium.

Solutions of normal luminescence are obtained from the precipitated hydroxide after an appropriate treatment and dissolution in HCl. It was not possible to clarify the mechanism underlying the quenching of luminescence of the solutions. The two principal luminescence bands

(3110 and 3060 Å) of the gadolinium salts are very narrow even at room temperature, and are split up into several components. The spectra of GdCl<sub>3</sub>·6H<sub>2</sub>O and Gd<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>·8H<sub>2</sub>O crystals exposed for a long time also exhibit a narrow doublet of 3002 and 3005 Å and a few weak diffuse bands. Apart from the principal bands which are more blurred, the spectra of solutions of gadolinium chlorides and sulfates are similar to those of crystals. Although the spectra of the individual salts show the same bands, they differ in many respects. The significance of the individual parts of the spectrum is shown. At liquid-air temperature, the structure of some diffuse bands becomes more distinct. According to Ye. V. Kondrat'yeva and G. S. Lazeyeva (Optika i spektroskopiya, 8, 132 (1960)),

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S/O48/62/026/001/007/018  
B125/B104

Luminescence of gadolinium salts

the photoluminescence of gadolinium salts has a lifetime  $\tau \sim 10^{-3}$  sec and is damped exponentially. The exact lifetime for the 3110 Å line is  $2 \cdot 10^{-3}$  sec, and that for the 3060 Å line had previously been estimated at  $10^{-3}$  to  $10^{-4}$  sec. The latest measurements of the authors with the synchronous spark phosphoroscope have shown that for the two lines mentioned before, the lifetimes are consistent with an error of about 10%. The band intensity ratio for 3110 and 3060 Å is nearly equal to 20 at room temperature. The damping times of the bands at 3470, 3220, 3180, and 3145 Å do not considerably diverge from that of the principal electron transition, which indicates that the bands are produced by the superposition of vibration frequencies over the frequency of the principal electron transition. There are 7 figures, 4 tables, and 12 references: 6 Soviet and 6 non-Soviet. The reference to English-language publications reads as follows: Dieke G. H., Hall L. A., J. Chem. Phys., 27, 465 (1957). X

Card 3/4

Luminescence of gadolinium salts

33431  
S/048/62/026/001/007/018  
B125/B104

ASSOCIATION: Fizicheskiy institut Leningradskogo gos. universiteta im. A. A. Zhdanova (Physics Institute of Leningrad State University imeni A. A. Zhdanov). Fiziko-tekhnicheskiy institut im. A. F. Ioffe Akademii nauk SSSR (Physicotechnical Institute imeni A. F. Ioffe of the Academy of Sciences USSR) X

Card 4/4

KUKHARENKO, A.A.; FAFURINA, E.N.; YAKIMOVA, P.P.; YAKOVLEVA, S.S.

Geochemistry of rare-earth elements in the alkali-ultrabasic rocks  
of the Kola Peninsula and Karelia. Min. i geokhim. no.1:211-236  
'64. (MIRA 18:9)

YAKIMOVA, T.

YAKIMOVA, T.

Foreign economic relations of the Mongolian People's Republic.  
Vnesh. torg. 27 no.8:2-5 '57. (MLRA 10:9)  
(Mongolia--Commerce)

ZOLOTAREV, V.I.; PEKSHEV, Yu.A.; AVSENEV, Yu.M.; KAPRANOV, I.A.; KISVIANTSEV,  
L.A.; SHVETSOV, N.I.; TELEGIN, Ya.I.; POTAPOV, V.I.; KISVIANTSEV,  
L.A.; ZYKOV, A.A.; NETRUSOV, A.A.; SENIN, V.P.; MAKSIMOVA, A.P.;  
NIKOLAYENKO, Zh.I.; VOLKOV, N.V.; KALASHNIKOV, A.A.; PLAKSIN, S.V.;  
POPOV, N.N.; KARSHINOV, L.N.; YAKIMOVA, T.A.; BASHKANIKHIN, I.K.;  
KETKOVICH, A.Ya.; SHALASHOV, V.P.; VORONKOV, F.N.; VEKSHIN, G.K.;  
CHIS'YAKOV, M.A.; IVANOV, N.I., red.; SLADKOVSKIY, M.I., red.;  
LEPNIKOVA, Ye., red.; MOSKVINA, R., tekhn.red.

[Economic development of the people's democracies] Razvitie ekonomiki stran narodnoi demokratii; obzor za 1957 g. Pod red. N.I. Ivanova i dr. Moskva, Izd-vo sots.-ekon.lit-ry, 1958. 619 p. (MIRA 12:7)

1. Moscow. Nauchno-issledovatel'skiy kon'yunktorny institut. (Economic conditions)

ZOLOTOREV, V.I.; PEKSHEV, Yu.A.; LENSKIY, B.V.; AVSENEV, Yu.M.; KISVIANTSEV,  
L.A.; SHVETSOV, N.I.; TELEGIN, Ya.I.; ZYKOV, A.A.; SENIN, V.P.;  
NETIUSOV, A.A.; GAVRILOV, V.V.; NIKOLAYENKO, Zh.I.; VOLKOV, N.V.;  
KALASHNIKOV, A.A.; FLAKSIN, S.V.; POPOV, N.N.; KARSHINOV, L.N.;  
~~YANIMOVA, T.A.~~; SHALASHOV, V.P.; KOSONOGOV, L.A.; PUSENKOV, N.N.;  
LEFNIKOVA, Ye., red.; MOSKVINA, R., tekhn.red.

[Economic development in the people's democracies; survey for 1958]  
Razvitie ekonomiki stran narodnoi demokratii; obzor za 1958 g. Pod  
red.M.I.Sladkovskogo i dr. Moskva, Izd-vo sotsial'no-ekon.lit-ry,  
1959. 358 p. (MIRA 13:7)

1. Moscow. Nauchno-issledovatel'skiy kon'yunktturnyy institut.  
(Communist countries--Economic conditions)

SOLOTAREV, V.I.; PEKSHEV, Yu.A.; LENSKIY, B.V.; AVSENEV, Yu.M.;  
KISVIANTSEV, L.A.; SHVETSOV, N.I.; TELEGIN, Ya.I.; ZYKOV, A.A.;  
SEMIN, V.P.; NETRUSOV, A.A.; GAVRILOV, V.V.; NIKOLAYENKO, Zh.I.;  
VOLKOV, N.V.; KALASHNIKOV, A.A.; FLAKSIN, S.V.; POPOV, N.N.;  
KARSHINOV, L.N.; YAKIMOVA, T.A.; SHALASHOV, V.P.; KOSONOGOV, L.A.;  
PUSENKOV, N.N.; SLADKOVSKIY, M.I., red.; IVANOV, N.I., red.;  
LEPNIKOVA, Ye., red.; MOSKVINA, R., tekhn.red.

[Economic development in the people's democracies; review for  
1958] Razvitie ekonomiki stran narodnoi demokratii; obzor za  
1958 g. Pod red. M.I.Sladkovskogo i dr. Moskva, Izd-vo sotsial'-  
no-ekon.lit-ry, 1959. 358 p. (MIRA 13:7)

1. Moscow. Nauchno-issledovatel'skiy kon'yunktorny institut.  
(Communist countries--Economic conditions)

PEKSHEV, Yu. A.; LENSKIY, B. V.; AVSENOV, Yu. M.; MILONOV, V. S.; KISVIANTSEV, L. A.; TELEGIN, Ya. I.; POTAPOV, V. I.; NETRUSOV, A. A.; ZYKOV, A. A.; KUDIN, B. M.; MAKSI-MOVA, A. P.; NIKOLAYENKO, Zh. I.; VOLKOV, N. V.; SHVETSOV, N. I.; PLAKSIN, S. V.; POPOV, N. N.; KARSHINOV, L. N.; YAKIMOVA, T. A.; SHALASHOV, V. P.; VISYANIN, Yu. L.; KRASNOV, L. V.; PUSENKOV, N. N.; IVANOV, N. I., red.; ZOLOTAREV, V. I., red.; SLADKOVSKIY, M. I., red.; LEPNIKOVA, Ye., red.; KOROLEVA, A., mladshiy red.; NOGINA, N., tekhn. red.

[Economic development of the people's democracies; survey for 1959]  
Razvitie ekonomiki stran narodnoi demokratii; obzor za 1959 god. Pod red. N. I. Ivanova i dr. Moskva, Izd-vo sotsial'no-ekon. lit-ry, 1960. (MIRA 14:6)  
305 p.

1. Moscow. Nauchno-issledovatel'skiy kon'yuktorny institut.  
(Europe, Eastern--Economic conditions)

NIKIFOROV, L.A.; NIKOLAYENKO, Zh.I.; VOLKOV, N.V.; SHVETSOV, N.I.;  
PLAKSIN, S.V.; POPOV, N.N.; PEKSHEV, Yu.A.; KARSHINOV, L.N.;  
YAKIMOVA, T.A.; SHALASHOV, V.P.; VASYANIN, Yu.L.; KRASNOV, L.V.;  
PUSENKOV, N.N.; VASIL'YEVA, G.N.; TSAGURIYA, G.M., tekhn. red.

[Economic development of the people's democracies of Europe and  
Asia; statistical collection] Razvitie ekonomiki stran narodnoi  
demokratii Evropy i Azii; statisticheskii sbornik. Moskva,  
Vneshtorgizdat, 1961. 470 p. (MIRA 15:5)  
(Communist countries--Statistics)

YAKIMOVA, Tamara Aristarkhovna, kand. ist. nauk; LIVSHITS, Ya.L.,  
red.; RAKITIN, I.T., tekhn. red.

[Noncapitalistic way of development] Nekapitalisticheski  
skii put' razvitiia. Moskva, Izd-vo "Znanie," 1964. 29  
(Novoe v zhizni, nauke, tekhnike. VII Seria: Mezhdunarod-  
naia, no.5) (MIRA 17:3)

YAKIMOVA, T.V.

Effect of stratification on the germination of subtropical plant seeds. *Biul. Glav. bot. sada no. 57:94-97 '65.* (MIRA 18:9)

1. Glavnyy botanicheskiy sad AN SSSR.

YAKIMOVA, V. I.; TALMUD, S. L.; MISHCHENKO, K. P.

"On the Interaction of Cellulose with Liquids."

report presented at the Section on Colloid Chemistry, VIII Mendeleev Conference of General and Applied Chemistry, Moscow, 16-23 March 1959.  
(Koll. Zhur. v. 21, No. 4, pp. 509-511)

MISHCHENKO, K.P.; TALMUD, S.L.; YAKIMOVA, V.I.

Reaction of cellulose with liquids. *Vysokom.sond. 1 no.5:*  
662-669 My '59. (MIRA 12:10)

1. Leningradskiy tekhnologicheskij institut tsellyulozno-bumazhnoy  
promyshlennosti.  
(Cellulose) (Thermochemistry)

SOV/69-21-3-16/25

5(4)

AUTHORS: Mishchenko, K.P., Talmud, S.L. and Yakimova, V.I.

TITLE: On the Value of the Specific Surface of Cellulose

PERIODICAL: Kolloidnyy zhurnal, 1959, Vol XXI, Nr 3, pp 330-335 (USSR)

ABSTRACT: The present investigation is concerned with the selection of reliable methods permitting the determination of the value of the specific surface of cellulose in the dry and the swollen state. The authors also tried to determine the most probable value of the specific surface of standard cotton cellulose and technical wood celluloses obtained by different methods. For the determination of the specific surface of cellulose in the dry state, the standard method of nitrogen vapor adsorption at its boiling point ( $-195.7^{\circ}$ ) was used. For the determination of the specific surface of cellulose in the swollen state the method of ion exchange, as proposed by V.I. Yur'yev, appeared as most reliable to the authors. The experiments confirmed the suitability of this preliminary selection.

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SOV/69-21-3-16/25

On the Value of the Specific Surface of Cellulose

The specific surface of standard cotton cellulose was found to be 16-19 m<sup>2</sup>/g. The results obtained with the two methods are in accordance. It was further stated that swelling in water does not have an effect on the value of the specific surface of the plant fiber. Wood celluloses obtained with various methods are sharply distinguished from natural fiber, as far as their internal structure is concerned. The specific surface of wood celluloses was found to be 2 - 2.5 m<sup>2</sup>/g, of celluloses in the swollen state - 100 - 200 m<sup>2</sup>/g. The authors mention the Soviet scientists A.V. Kiselev, T. Bikkerstaff, V.I. Yur'yev (see above) and N.I. Nikitin. There are 3 graphs, 3 tables and 19 references, 10 of which are English, 8 Soviet and 1 German.

ASSOCIATION: Leningradskiy tekhnologicheskii institut tsellyulozno-  
Card 2/3 bumazhnoy promyshlennosti, Kafedra fizicheskoy i

SOV/69-21-3-16/25

On the Value of the Specific Surface of Cellulose

kolloidnoy khimii (Leningrad Technological Institute  
of the Cellulose and Paper Industry, Chair of Physical  
and Colloid Chemistry)

SUBMITTED: 3 October 1957

Card 3/3

YAKIMOVA, V. I.

Cand Chem Sci - (diss) "Value of the specific surface of cellulose and values of heats of its reaction with liquids." Leningrad, 1961. 14 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Leningrad Order of Labor Red Banner Technology Inst imeni Lensovet); 180 copies; price not given; bibliography on pp 13-14; (KL, 7-61 sup, 223)

YAKIMOVA, YA.

COUNTRY : BULGARIA  
CATEGORY : Cultivated Plants. Forage Crops. M  
ABS. JOUR. : RZhBiol., No. 23 1958, No. 104713  
AUTHOR : Radomirov, P., Yakimova, Ya., Dzhumaliyeva, D.  
INST. : Central Agricultural Scientific Research Institute  
TITLE : Studies on the Fertilization of Grass Mixtures of  
Perennial Grasses in Sofia Rayon.  
ORIG. PUB. : Nauchni tr. Viash. selkostop. in-t. "G. Dimitrov".  
Zootekhn. fak., 1956, 6, 257-284  
ABSTRACT : On the experimental field near Bozhurishche (Bulgaria) and  
on the fields of the Central Agricultural Scientific  
Research Institute near Gorna Banya on chernozems and near  
Gorna Lozen on meadow soil, powdered and granular  $P_c$  and  
 $N_{ab}$  were applied in different amounts and in different  
periods during 1950-1954. On chernozems, the higher in-  
creases in yield were secured with the application of  $P_c$ .  
On meadow soils, the effect of N was more pronounced than  
that of P. Application of P and N raised the protein con-  
tent in the green roughage and produced changes in its

Card: 1/2

61

COUNTRY	:		M
CATEGORY	:		
AES. JOUR.	:	RZhBiol., No. 195 & No. 104713	
AUTHOR	:		
INST.	:		
TITLE	:		
ORIG. PUB.	:		
ABSTRACT	:	botanical composition. The grass stand became thicker at the expense of an increased number of the stems of cereal grasses. Under the influence of fertilizers, an increase in the amount of organic residues in the tillage layer was noted. Drill application of $P_c$ at the time of sowing is recommended. -- V. S. Shmal'ko	

Card: 2/2

Country : Bulgaria M  
Category : CULTIVATED PLANTS. FODDER  
Abs. Jour. : REF ZHUR-BIOL.,21,1958,NO-96024  
Author : Pavlov,K.; Yakimova,Ya.; Dzhumaliyeva,D.  
Institut. : Bulgarian AS, Plant Cultivation Inst.  
Title : Experiments with Long-Period Grass Mixtures  
for Grassland Fodder Crop Rotation in the Area  
of Sofia.  
Orig. Pub. : Izv. IN-ta rasteniyev"datvo. B"lg. AN, 1957,  
kn. 4, 45-63  
Abstract : Eight different mixture of perennial (4-6 years)  
leguminous forbs and grasses were studied at the  
experimental field near the town of Gorna Lozay  
in Bulgaria. The yields were lowest in the first  
year, highest in the second, and just about equal  
in the 3rd and 4th. The top ground mass yield  
was gotten from grass mixture No.7 with the fol-  
lowing compositions: esparcet and alfalfa 15% each,  
tall oatgrass 35%, meadow fescue 25%, smooth brome  
10%. With an increase in the weight of the legu-  
Card: 1/2

Country : M  
Category : CULTIVATED PLANTS. FODDER  
Abs. Jour. : REF ZHUR-BIOL., 21, 1958, NO-96024  
Author :  
Institut. :  
Title :  
Orig. Pub. :  
Abstract : minous components the percentage of raw protein content and the ground mass grew. After the high yielding herb mixtures the amount of root residue in the arable horizon, except for a few rare exceptions, was higher. The greatest amount of root residue was left by mixtures with red clover and alfalfa as components. The greenstuff yields in the variations with the best mixtures were considerably higher than the harvests from natural meadows.--Ye.A. Okorokova  
Card: 2/2

YAKIMOVA, YE. D.

24209 YAKIMOVA, YE. D. Smenno-kletochnoye ispol'zovaniye pastbishch-osnovnoye v bor'by s gel'mintozami. Karakulevodstvo i zverovodstvo, 1949, No. 4, s. 76-77.

SO: Letopis, No. 32, 1949.

DADAYAN, G.T.; OL'KOV, P.L.; GRYAZNOV, B.V.; SHAKHSUVAROVA, G.V.;  
YAKIMOVETS, N.L.; ALYUKOV, I.T.

Low temperature dewaxing of oils with the use of methyl ethyl  
ketone. Khim.i tekhn.topl.i masel 6 no.6:17-21 Je '61. (MIRA 14:7)

1. Novogroznenskiy neftezavod; Vsesoyuznyy nauchno-issledovatel'skiy  
institut po pererabotke nefiti i gaza i polucheniyu iskusstvennogo  
zhidkogo topliva i Bashkirskiy nauchno-issledovatel'skiy institut  
po pererabotke nefiti.

(Petroleum--Refining)

MATVEYEV, M.A.; YAKIMOVICH, D.T.

Use of datolite ore for the production of glass fibers.  
Zhur. VKHO 8 no.5:587-588 '63. (MIRA 17:1)

1. Institut obshchey neorganicheskoy khimii AN BSSR.

L 46734-66 EWP(4)/INT(1) E/W/W

ACC NR: AR6000272

SOURCE CODE: UR/0081/65/000/014/M016/M016

AUTHORS: Matveyev, M. A.; Yakimovich, D. T.

TITLE: Mechanical properties of glass fiber made of datolite

SOURCE: Ref. zh. Khimiya, Abs. 14M170

REF SOURCE: Sb. Stekloobrazn. sostoyaniye. T. 3. Vyp. 4, Minsk, 1964, 176-181

TOPIC TAGS: glass fiber, elastic modulus, elastic deformation, <sup>solid</sup> mechanical property

ABSTRACT: The elasticity modulus of fiber glass is determined by the degree of uniformity of the glass mass at the moment of fiber formation. Deformation of the nonuniform glass mass results in lowering of the elasticity modulus of the fiber glass. The breaking elongation of the glass fiber is a function of the dimensions of the defects created on the surface (crystallites), whose magnitude depends upon the formation temperature (cooling rate). Increased stretchability of the glass fiber has a positive effect upon its breaking elongation. The mechanical properties of the glass fiber can be adjusted within very broad limits by varying the formation conditions. Authors' resumé [Translation of abstract]

SUB CODE: 11

Card 1/1 *LL*

38  
B

YAKIMOVICH, E.A.

At a rural medical center. Zdrav.Bel. 8 no.12:58-60 D '62.  
(MIRA 16:1)

1. Zaveduyushchiy Frunzenskoy sel'skoy uchastkovoy bol'nitsey  
Dzerzhinskogo rayona Minskoy oblasti.  
(FRUNZE—PUBLIC HEALTH, RURAL)

YAKIMOVICH, G. F.

Defended his Dissertation for Candidate of Chemical Sciences in the Moscow  
Chemicotechnological Institute, Moscow, 1953

Dissertation: "Qualitative Analysis of Silicon-Organocompounds by the Method  
of Infrared Spectroscopy"

SO: Referativnyy Zhurnal Khimiya, No. 1, Oct. 1953 (W/29955, 26 Apr 54)

**YAKIMOVICH, G. F.**

USSR/ Chemistry - Qualitative analysis

Card 1/1 : Pub. 145 - 5/14

Authors : Kreshkov, A. P.; Mikhaylenko, Yu. Ya.; and Yakimovich, G. F.

Title : Qualitative analysis of organo-silicon compounds by the method of infrared absorption spectroscopy

Periodical : Zhur. anal. khim. 9/4, 208-216, Jul-Aug 1954

Abstract : The infrared absorption spectra of certain Si-organic compounds were investigated. The qualitative analysis of Si-organic compounds, based on the investigated infrared absorption spectra, was found to be perfectly applicable to a wide variety of Si-compounds, namely, alkoxy- and aroxy-silanes, alkyl- and arylalkoxy-silanes, alkyl- and arylsilanes, siloxanes, a.o. Analytical signs, which make it possible to establish the presence of specific atomic groupings, were discovered and are described. Ten references: 6-USA; 3-USSR and 1-French (1940-1951). Tables; graphs.

Institution : The D. I. Mendeleev-Order of Lenin Chemical Technological Institute, Moscow

Submitted : April 6, 1953

USSR.

Quantitative analysis of ...  
means of infrared absorption spectroscopy  
kov, Yu. Ya. Mikhilishin, et al.  
Anal. Chem. USSR 1978, 21, 1351-1352  
See C.A. 48, 1351C.

YAKIMOVICH G. F.  
USSR/Chemistry

Card 1/1

Authors : Kreshkov, A. P. Mikhaylenko, Yu. Ya., and Yakimovich, G. F.

Title : Study of infrared absorption spectra of silicon-organic compounds

Periodical : Zhur. Fiz. Khim. 28, Ed. 3, 537-551, March 1954

Abstract : Investigated were the infrared absorption spectra of numerous silicon-organic compounds, tetramethoxysilane, tetraethoxysilane, tetrabutoxysilane, tetraisobutyloxysilane, tetramethylethoxysilane, tetraphenoxysilane, tetraphenylsilane, phenyldimethylchlorosilane, diethyldiethoxysilane, diethylsilanediol and hexaethylidisiloxane. Spectral signs are given for the identification of functional groupings and bonds:  $-\text{CH}_3$ ,  $\equiv\text{Si}-\text{CH}_3$ ,  $\text{C}_6\text{H}_5-$ ,  $\text{Si}-\text{O}$ ,  $-\text{O}-\text{R}$ ,  $-\text{CH}=\text{CH}_2$ ,  $\text{O}-\text{H}$ . Spectral signs were established enabling to distinguish between one class of silicon-organic compounds and the other. Twenty references; 1 German since 1885, 1 USSR since 1908. Tables, graphs.

Institute : The D. I. Mendeleev Chemical-Technological Institute, Moscow, USSR

Submitted : July 1, 1953

L. hu060-06 EWP(k)/EWF(d)/EWT(m)/EWP(v) IJP(c) EM

ACC NR: AP6030747

SOURCE CODE: UR/0198/66/002/008/0112/0119

AUTHOR: Tul'chiy, V. I. (Nikolayev); Frolov, V. P. (Nikolayev); Yakimovich, G. I. (Nikolayev)

ORG: Nikolayev Shipbuilding Institute (Nikolayevskiy korablestroitel'nyy institut) B

TITLE: Plate with a circular hole reinforced by a composite ring or an elastic flange

SOURCE: Prikladnaya mekhanika, v. 2, no. 8, 1966, 112-119

TOPIC TAGS: hole weakened plate, reinforced hole edge, stress concentration, flat plate model

ABSTRACT: The effect of the reinforcement of a circular hole in a plate on the magnitude of stresses in it is studied in the following cases: 1) the hole is reinforced by identical isotropic circular flanges (Fig. 1), and 2) the reinforcing thin ring inside the hole consists of n soldered isotropic component rings of constant cross section (Fig. 2). The material of the reinforcement is different from that of the plate. In both cases, the elastic equilibrium of the plate is analyzed under the assumptions that the reinforcement and the edge of the hole are free from external loading, and that the homogeneous fields of tensile and shear stresses in the plate at infinity are given. In case (1), expressions are derived in the form of series for determining the

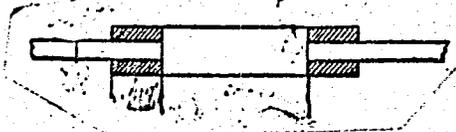


Fig. 1.

Card 1/2

L 44080-66

ACC NR: AP6030747

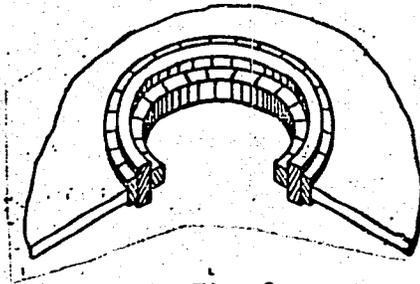


Fig. 2.

internal forces and moments, and the results of numerous computer calculations of stresses in the plate for various parameters of plates and flanges are given in a table. A comparison with stresses in a plate reinforced by a flange on one side shows that the stresses are 20 to 25% lower in the case of two side flanges (of the same weight as the one-side flange). In case (2), analogous calculations were carried out, and the effects of a two-component ring and of a single ring on the stresses in the plate are compared in a table, showing lower stress values in a plate with a two-component ring. Orig. art. has: 3 figures, 23 formulas, and two tables. [VK]

SUB CODE: 20/ SUBM DATE: 28Feb66/ ORIG REF: 008/ ATD PRESS: 5077

Card 2/2 *ad*

YAKIMOVICH, G. N.

USSR/Metals - Brass, Casting

Feb 52

"Casting Technology of High-Strength Brass," G. N. Yakimovich, Engr, Staro-Kramitorskiy Mashinostroi-  
tel'niy Zavod imeni Ordzhonikidze

"Litey Proizvod" No 2, pp 24, 25

Discusses properties and melting and casting pro-  
cedure of LAZhM-ts 66-6-3-2 (Al-Fe-Mn) brass ac-  
cepted by GOST 1019-47 for replacing LAZhM-ts 70-  
6-3-1. Brass is used in machine building industry  
for heavy-duty parts. Due to high shrinkage of  
brass, sp attention should be paid to core mixt,  
compn and properties of which are given. Tabulates  
chem compn and mech properties of both brasses.

20/T91

YAKIMOVICH, G. N.

PA 233T81

USSR/Metallurgy - Foundry, Materials

Sep 52

"Graphite Core Mixture for Steel Castings," G. N. Yakimovich, Engr

"Litey Proizvod" No 9, pp 25, 26

Discusses prepn and use of mixt of following compn:  
66% quartz sand, 15% marshalit, 15% silver graphite,  
and 4% fire clay with addn of 4 parts of drying oil  
and 1 part of sulfite liquor for 100 parts of mixt.  
The steel will be slightly impregnated with C. Mixt  
is widely used for thin cores in massive castings.

233T81

YAKIMOVICH, G.N.; SVIRIDOV, I.A.

Casting cylinders of drop hammer. Lit.proizv. no.6:27-28 Je '53.  
(MLRA 6:7)  
(Metal castings)

YAKIMOVICH, G.N.

YAKIMOVICH, G.N.

Properties of IMtsA 57-3-1 cast brass. Lit.proizv. no.4:24

Л1 '54.

(MIRA 7:7)

(Brass)

p.2

PHASE I BOOK EXPLOITATION

SOV/3941

Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya

Primeneniye ekzotermicheskikh smesey dlya podogreva pribyley lit'ya (Use of Exothermic Mixtures for Preheating of Risers) Moscow, Tsentr. byuro nauchno-tekhn. inform. tyazhelogo mashinostroyeniya, 1959. 48 p. Errata slip inserted. 1,500 copies printed: (Series: Obmen peredovym opytom)

Additional Sponsoring Agency: USSR. Gosudarstvennaya planovaya komissiya. Glavnoye upravleniye nauchno-issledovatel'skikh i proyektnykh organizatsiy. Eds.: (title page): A.V. Lopatin, Engineer, and M.I. Kuznetsova; Tech. Ed.: P.I. Seleznev.

PURPOSE: This collection of articles is intended for engineers and skilled workers of metallurgical plants.

COVERAGE: Articles of this collection review exothermic mixtures used at metallurgical plants to preheat risers. Components and properties of these mixtures are indicated. Higher yields, better quality of castings, and economy of

Card 1/2

Use of Exothermic Mixtures (Cont.)

SOV/3941

metal are pointed out by authors as advantages afforded by the process of preheating of risers by exothermic mixtures. The preheating operations for several types of risers and sleeves are described. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

Aleshechkina, O.M., G.A. Ravich, R.G. Solov'yeva, and G.N. Yakimovich.

Increasing the Yield of Suitable Castings by Preheating Risers With the Aid of Exothermic Mixtures 3

Shportenko, P.I. Exothermic Mixtures Used for Heating Risers of Nonferrous Castings 24

Nasankin, A.F., and B.K. Dymchin. Preheating of Risers With Exothermic Mixtures 32

AVAILABLE: Library of Congress (TS236.M77)

Card 2/2

VK/pw/gwp  
8-30-60

YAKIMOVICH, K.

Urgent problems. Fin.SSSR. 20 no.11:45-48 N '59.

(MIRA 12:12)

1. Upravlyayushchiy Belorusskoy kontoroy Stroybanka.  
(White Russia--Banks and banking)  
(Construction industry--Finance)

ACCESSION NR: AP4004136

S/0294/63/001/002/0173/0176

AUTHORS: Shpil'rayn, E. E.; Yakimovich, K. A.

TITLE: Experimental installation for determining the density of liquid metals

SOURCE: Teplofizika vy\*sokikh temperatur, v. 1, no. 2, 1963, 173-176

TOPIC TAGS: liquid metal, density, liquid metal density, specific weight, high temperature, dilatometric method, pycnometric method, physical property, heat transfer fluid, heat transfer, pycnometry, dilatometry, liquid metal density, liquid metal specific gravity, specific gravity

ABSTRACT: In view of the advantages of the pycnometric method over other known methods for determining the density of liquid metals at high temperatures and in view of the methodological difficulties in-

Card 1/43

ACCESSION NR: AP4004136

Involved in the measurement, the authors describe a new variant of a pycnometric method of determining the density of a liquid metal at high temperatures, as well as the experimental set-up. The pycnometer is made in the form of an ampoule with long capillary. The investigated metal flows from the ampoule, which is placed in a high-temperature furnace and is suspended on a long filament from an analytic balance, downward through a capillary the temperature of which is maintained somewhat higher than the melting temperature of the investigated metal. The method is free of the shortcoming inherent in the dilatometric method and in the method of hydrostatic weighing, namely the influence of the capillary forces and the condensation of the vapor of the investigated metal on the suspension filaments. The set-up yields experimental data up to a temperature of 1500°C with an error of  $\pm 0.2\%$ . An investigation of the density of one of the alkali metals have confirmed the accuracy estimates made. Orig. art. has: 3 figures and 1 formula.

Card 2/43

ACCESSION NR: AP4004136

ASSOCIATION: Nauchno-issledovatel'skiy institut vy\*sokikh tempera-  
tur (Scientific Research Institute of High Temperatures)

SUBMITTED: 28Jun63

DATE ACQ: 26Dec63

ENCL: 01

DATE ACQ: 26Dec63

NO REF SOV: 006

OTHER: 000

Card 3/43

S/170/62/005/010/002/009  
B112/B186

AUTHORS: Chekhovskoy, V. Ya., Shumyatskiy, B. Ya., Yakimovich, K. A.

TITLE: Experimental investigation of tungsten enthalpy over the temperature range from 350 to 2000°C

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, v. 5, no. 10, 1962, 13 - 18

TEXT: The enthalpy difference  $i_t - i_o$  was experimentally determined by the mixing method (16 experiments). It has been found to vary linearly from 11.68 to 73.41 kcal/kg over the temperature range from 357.3 to 1964.0°C. The maximum error in these results was estimated at  $\pm(0.6 - 0.9)\%$ . The data obtained do not diverge from those of other authors by more than 1% on the average. The experimental equipment consisted of a resistance furnace with a tungsten heater and a massive copper calorimeter in an isothermal jacket. The temperature of the sample was measured by platinorhodium-platinum thermocouples ( $t < 1200^\circ\text{C}$ ) and an optical pyrometer ( $t > 1000^\circ\text{C}$ ). There are 4 figures and 1 table.

Card 1/2

Experimental investigation of ...

S/170/62/005/010/002/009  
B112/B186

ASSOCIATION: Institut vysokikh temperatur pri MEI, g. Moskva (Institute  
of High Temperatures of MEI, Moscow)

SUBMITTED: November 29, 1961

Card 2/2

L 4522-66 ENI(1)/EPA(9)-2/EWT(m)/EPA(sp)-2/EPF(c)/EPF(n)-2/EWP(c)/EWA(d)/EPA(w)-2

ACC NR: AP5025992 FCS(f)/T-2/EWP(t) SOURCE CODE: UR/0294/65/003/005/0757/0764

EWP(b)/EWA(m)-2 IJP(c) JD/WW/JG/DJ/AT

AUTHOR: Shpil'rayn, E. E.; Yakimovich, K. A.

ORG: Scientific Research Institute of High Temperatures (Nauchno-issledovatel'skiy institut vysokikh temperatur)

TITLE: Thermodynamics of an MHD power generator with a vapor-fluid injector

SOURCE: Teplofizika vysokikh temperatur, v. 3, no. 5, 1965, 757-764

TOPIC TAGS: magnetohydrodynamics, MHD power generator, liquid metal fluid, energy conversion

ABSTRACT: The thermodynamics of a vapor-fluid injector have been analytically investigated under the assumptions that 1) the whole injector as well as its separate parts are adiabatic; 2) the processes in the nozzle and in the exit cone are not isentropic; and 3) the nonisentropicity of the processes in the mixing chamber is determined only by losses due to mixing. The formulas obtained show that the efficiency of the injector and also of the whole device depends on the ratio of the available enthalpy of the flowing fluid to the value of the latent heat of vaporization of the working material. Since calculations show that this ratio is not favorable for otherwise suitable materials, it is suggested that the efficiency of the device could be substantially increased by the use of two-component injectors. Orig. art. has: 26 formulas and 7 figures.

[ZL]

Card 1/2

UDC: 621.313.12:538.4:531.41

0901 0005

L 4522-66

ACC NR: AP5025992

SUB CODE: PR,TD/SUBM DATE: 01Mar65/ ORIG REF: 003/ OTH REF: 004/ ATD PRESS: 4/30

OC  
Card 2/2

*YAKIMOVICH, L.A.*

CHYZHEVSKAYA, I.I.; IDEL'CHYK, Z.B.; YAKIMOVICH, L.A. SHADURSKI, K.S.

Synthesis and pharmacological properties of 1-phenoxy-2-propanol  
amino derivatives. Vestsi AN BSSR. Ser. fiz.-tekh.nav. no.2:115-127  
'57. (MIRA 11:1)

(Propanol) (Amines)

YAKIMOVICH, L. A.: Master Med Sci (diss) -- "The pharmacological properties of the derivatives of phenoxy diethyl amino propanol (Experimental investigation)". Minsk, 1958. 18 pp (Minsk State Med Inst), 200 copies (KL, No 17, 1959, 112)

SHADURSKIY, K.S., prof.; IL'YUCHENOK, T.Yu., kand.med.nauk.; ISKAREV,  
N.A., kand.med.nauk.; KOMISSAROV, I.V., kand.med.nauk.; KORABLEV,  
M.V., kand.med.nauk.; MYAZDRIKOVA, A.A., kand.med.nauk.; NILOVSKAYA,  
S.N., kand.med.nauk.; REUT, N.A., kand.med.nauk.; YAKIMOVICH, L.A.,  
kand.med.nauk.; GES', N.D., red.; BELEN'KAYA, I.Ye., tekhnred.

[Prescription manual] *Rukovodstvo po retsepture. Izd.2., ispr.  
i dop. Minsk, Izd-vo Belgosuniv. im. V.I.Lenina, 1960. 99 p.  
(MIRA 14:1)*

(MEDICINE--FORMULAE, RECEIPTS, PRESCRIPTIONS)

IL'YUCHENOK, Tat'yana Yulianovna, kand. med. nauk; ISKAREV, Nikolay Afanas'yevich, kand. med. nauk; SHADURSKIY, Konstantin Stanislavovich, prof., doktor med.nauk; YAKIMOVICH, Leonid Aleksandrovich, kand. med.nauk; GES', N., red.; VARENKOVA, V., tekhn. red.

[Pharmacology; a course of lectures] Farmakologiya; kurs lektsii. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i profesional'nogo obrazovaniia BSSR, 1963. 346 p. (MIRA 16:9)  
(PHARMACOLOGY)

IL'YUCHENOK, T.Yu., kand. med. nauk; ISKAREV, N.A., kand. med. nauk;  
KORABLEV, M.V., kand. med. nauk; REUT, N.A., kand. med. nauk;  
YAKIMOVICH, L.A., kand. med. nauk; KHOMICH, N.V., assistant;  
SHADURSKIY, K.S., prof.; KRYUKOVSKAYA, B., red.; YERMOLENKO, V.,  
tekh. red.

[Manual on prescriptions] Rukovodstvo po retsepture. Izd. 3.,  
ispr. i dop. Minsk, Izd-vo "Belarus'," 1963. 178p.

(MIRA 17:2)

\*

ZENGER-BRETT, I.[Sanger-Bredt, I.]; SYCHEV, V.V.[translator];  
ASINOVSKIY, E.I.[translator]; KIRILLIN, V.A., red.;  
SHEYNDLIN, A.Ye., doktor tekhn. nauk, prof., red.;  
YAKIMOVICH, M.G., red.; KARPOV, I.I., tekhn. red.;  
KOROTEYEVA, Yu.I., tekhn. red.

[Some properties of hydrogen and water as possible working fluids for rockets] Nekotorye svoistva vodoroda i vodianogo para - vozmozhnykh rabochikh tel raket. Moskva, Izd-vo inostr. lit-ry, 1962. 98 p. Translated from the ~~English and~~ the German. (MIRA 16:1)

1. Chlen-korrespondent Akademii nauk SSSR (for Kirillin). (Rockets (Aeronautics))

YAKIMOVICH, R.A.

Unconditioned influences from the bladder receptors on the higher nervous activity of rabbits before and after resection of the spinal cord. Vestsi AN BSSR. Ser. bial. nav. no.1:145-156 '57.

(SPINAL CORD--SURGERY) (BLADDER--INNERVATION) (MIRA 10:6)  
(REFLEXES)

YAKIMOVICH, R.A., Cand Biol Sci -- (diss) "Unconditional<sup>ed</sup>  
and conditional<sup>ed</sup> interoceptive reflexes from the bladder  
before and after resection of the spinal column in rabbits."  
Minsk, 1958, 16 pp (Acad Sci Belorussian SSR. Inst of  
Biology) 100 copies (KL, 29-58, 130)

YAKIMOVICH, R.A.

Conditioned interoceptive reflex influences from the bladder in rabbits with intact and transected spinal cord. Trudy Inst. fiziol. AN BSSR 2:188-202 '58. (MIRA 12:1)

1. Laboratoriya kortiko-vistseral'noy fiziologii Instituta fiziologii AN BSSR.

(BLADDER--INNERVATION) (SPINAL CORD)  
(CONDITIONED RESPONSE)

YAKIMOVICH, R.A.

Motor interoceptive reflexes from the bladder following trans-  
section of the spinal cord in rabbits. Trudy Inst.fiziol. AN  
BSSR 3:205-211 '59. (MIRA 13:7)

1. Laboratoriya kortiko-vistseral'noy fiziologii Instituta fizio-  
logii AN BSSR.

(BLADDER--INNERVATION) (SPINAL CORD)

BULYGIN, I.A.; YAKIMOVICH, R.A.; SHCHANNIKOVA, Z.D.

Conditioned shaking reflexes from the interoceptors of the bladder following section and partial removal of the spinal cord. Zhur. vys. nerv. deiat. 10 no. 1:130-137 Ja-F '60. (MIRA 14:2)

1. Laboratory of Cortico-Visceral Physiology, Institute of Physiology, Academy of Sciences, B.S.S.R., Minsk.  
(SPINAL CORD) (CONDITIONED RESPONSE) (BLADDER—INNERVATION)

BULYGIN, I.A.; YAKIMOVICH, R.A.

Spinal ascending pathways of interoceptive reflexes in the organs  
of the pelvis. Dckl. AN BSSR 9 no.1:57-60 Ja '65.

(MIRA 18:10)

1. Institut fiziologii AN BSSR.

BULYGIN, I.A.; YAKIMOVICH, R.A.

Representation of afferent vegetative neurons in the spinal cord.  
Dokl. Akad. Nauk SSSR 9 no.8:565-568 Ag '65.

(MIRA 18:20)

1. Institut fiziologii AN BSSR.

L 17017-66 EWT(m)/EWP(j)/T RM

ACC NR: AP6007683

SOURCE CODE: UR/0413/66/000/003/0061/0061

INVENTOR: Yakhimovich, R. I.; Dvorko, G. F.

ORG: none

TITLE: Preparative method for polyanhydrides. Class 39, No. 178490 [announced by the Institute of Organic Chemistry, AN UkrSSR (Institut organicheskoy khimii AN UkrSSR); Institute of the Chemistry of Macromolecular Compounds, AN UkrSSR (Institut khimii vysokomolekulyarnykh soyedineniy AN UkrSSR)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 3, 1966, 61

TOPIC TAGS: polyanhydride, semiconducting material, organic semiconductor, semiconducting polymer

ABSTRACT: An Author Certificate has been issued for a preparative method for semiconducting polyanhydrides involving anionic polymerization of the mixed anhydride of l-acetylenecarboxylic and a carboxylic acid. [BO]

SUB CODE: 07, // SUBM DATE: 13Jul64/ ATD PRESS: 4207

Card 1/1 *MJS*

UDC: 678.764

KOZHIN, S.A.; YAKIMOVICH, S.I.; FIGULEVSKIY, G.V.

Reduction of pulegone oxide by lithium aluminum hydride. Zhur. ob.  
khim. 32 no.7:2368-2371 JI '62. (MIRA 15:7)

1. Leningradskiy gosudarstvennyy universitet.  
(Menthene) (Aluminum lithium hydride)

KOZHIN, S.A.; YAKIMOVICH, S.I.; FIGULEVSKIY, G.V.

Chemical nature of "liquid pulegone oxide."  
Zhur.ob.khim. 32 no.10:3455-3456 0 '62. (MIRA 15:11)

1. Leningradskiy gosudarstvennyy universitet.  
(Menthenone)

DOMNIN, N.A.; YAKIMOVICH, S.I.

Interaction of  $\beta$ -diketones of the aliphatic series with  
asymmetrical N,N-dialkyl hydrazines. Zhur. ob. khim. 34 no.7:  
2467 J1 '64 (MIRA 17:8)

ACCESSION NR: AP5008721

8/0306/05/001,00100

AUTHORS: Domnin, N. A.; Yakimovich, S. I.

TITLE: Reaction of C-alkylated  $\beta$ -diketones with uns. N,N-dialkylhydrazines

SOURCE: Zhurnal organicheskoy khimii, v. 1, no. 3, 1965, 611

TOPIC TAGS: alkylation

... of  $\beta$ -diketones, ...  
 ... of tautomeric equilibrium ...  
 exist only in the keto-hydrazone form

Card 1/3



L 45275-65  
ACCESSION NR: AP5008721

Orig. art. has: 2 formulas.

ASSOCIATION: Leningradskiy gosudarstvennyy universitet (Leningrad State University)

SUBMITTED: 30Jun64

ENCL: 00

SUB CODE: 00, *LC*

NO REF SOV: 001

OTHER: 000

*ce*  
Card 3/3

L 51073-65 EWT:m: EPP(c) EPR/EWP(c) /T: EWA(c) Pc-4/Pr-4/Ps-4 RPL B4/  
 WW/JN/JWD/RM  
 ACCESSION NR: AP5011189 UR/0366/65/COL/COL/0658/0666 4.5  
 4.5  
 B

AUTHORS: Domnin, N. A.; Yakimovich, S. I.

TITLE: Reaction of beta dicarbonyl compounds with hydrazines. 1. Interaction of aliphatic beta diketones with unsym-N,N-dialkylhydrazines

SOURCE: Zhurnal organicheskoy khimii, v. 1, no. 4, 1965, 658-666

TOPIC TAGS: aliphatic compound, IR spectrum, nuclear magnetic resonance, enolate

ABSTRACT: The reaction of aliphatic beta ketones with dimethyl hydrazine and diethyl hydrazine was studied by investigating reactions with three symmetrical beta diketones of the type  $RCOCH_2COR$  ( $R = CH_3, C_2H_5, iso-C_4H_9$ ) and three unsymmetrical forms of the type  $CH_3COCH_2COR'$  ( $R' = C_2H_5, iso-C_4H_9, tert-C_4H_9$ ). All these react readily with one dialkyl hydrazine molecule. Infrared and nuclear magnetic spectra show that the reaction products having one dialkyl

group and one dialkyl hydrazine molecule contain one molecule of the subjectively reagent. Two molecules of dimethyl or diethyl

Card 1/2



DOMNIN, N.A.; YAKIMOVICH, S.I.

Reaction of dicarbonyl compounds with hydrazines. Part 2: Reaction of aliphatic-aromatic  $\beta$ -diketones with asym-H,N-dialkylhydrazines. Zhur. org. khim. 1 no.6:1024-1029 Je '65. (MIRA 18:7)

1. Leningradskiy gosudarstvennyy universitet.

DOMNIN, N.A.; YAKIMOVICH, S.I.

Reaction of  $\beta$ -dicarbonyl compounds with hydrazines. Part 1:  
Reaction of aliphatic  $\beta$ -diketones with asymmetrical N,N-  
dialkylhydrazines. Zhur. org. khim. 1 no.4:658-666 Ap '65.  
(MIRA 18:11)

1. Leningradskiy gosudarstvennyy universitet.

YAKIMOVICH, V.

Introduction and improvement of DVM-100 weighing and sacking  
machines in the Bryansk Milling Combins. Muk.-elev.prom.21  
no.2:25-26 F '55. (MLRA 8:3)

1. Bryanskiy mel'nichnyy kombinat.  
(Grain milling machinery) (Packing machinery)

BUKAT, M.; KAMYSHKIN, L.; ATANAZEVIKH, V.; YAKIMOVICH, V.

Putting suggestions of efficiency promoters into practice at grain receiving stations of Kazakhstan. Muk.-elev. prom. 24 no.7:26-30  
Jl '58. (MIRA 11:10)

1. Kustanayskoye oblastnoye upravleniye khleboproduktov (for all except Yakimovich). 2. Ministerstvo khleboproduktov Kazakhskoy SSR (for Yakimovich).

(Kazakhstan--Grain-handling machinery)

YAKINOVICH, V., inzh.

Dumping gear for unloading trucks with elongated bodies or trailers.  
Muk-elev.prom. 25 no.1:29 Ja '59. (MIRA 12:3)

1. Otdel novoy tekhniki Ministerstva khleboproduktov Kazakhskoy SSR.  
(Dump trucks)

YAKIMOVICH, V., inzh.; GIRICHEV, P., inzh.

Suggestions of Kazakhstan efficiency promoters. Muk.-elev.prom.  
25 no.2:26-29 F '59. (MIRA 12:4)

1. Otdel novoy tekhniki Ministerstva khleboproduktov Kazakhskoy  
SSR.

(Grain elevators)

(Grain-handling machinery)

YAKIMOVICH, V., inzh.; MAGONIN, P.; SHELEST, S.; OSNOVIKOV, G.; KALACHEV, O., inzh.; DOKTORMAN, M.; ZHITYAYEV, S.; FARBBER, A., inzh.

Suggestions of efficiency operators introduced at grain procurement stations and grain-milling enterprises. Muk.-elev. prom. 25. no.4:23-29 Ap '59. (MIRA 13:1)

1. Ministerstvo khleboproduktov Kazakhskoy SSSR (for Yakimovich).
  2. Chelyabinskoye upravleniye khleboproduktov (for Magonin).
  3. Glavnyy inzhener Novomoskovskogo zavoda po obrabotke semyan kukuruzy (for Shelest).
  4. Altayskoye upravleniye khleboproduktov (for Osnovikov).
  5. Ministerstvo khleboproduktov BSSR (for Kalachev).
  6. Luganskoye upravleniye khleboproduktov (for Doktorman).
  7. Kuybyshevskoye upravleniye khleboproduktov (for Zhityayev).
- (Grain elevators) (Grain milling)

ACC NR: AP6035880 SOURCE CODE: UR/0413/66/000/020/0111/0111

INVENTOR: Matveyev, M. A.; Mazo, E. E.; Kachur, F. T.; Yakimovich, V. I.

ORG: none

TITLE: Glass for manufacturing glass fiber. Class 32, No. 187266

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 20, 1966, 111

TOPIC TAGS: glass, glass fiber, reinforced glass fiber

ABSTRACT: This Author Certificate introduces a glass for manufacturing glass fiber containing  $\text{SiO}_2$ ,  $\text{Al}_2\text{O}_3$ ,  $\text{CaO}$ ,  $\text{MgO}$ ,  $\text{Na}_2\text{O}$ , and  $\text{F}$ . To increase the chemical stability of the glass fiber,  $\text{TiO}_2$ ,  $\text{K}_2\text{O}$ ,  $\text{Li}_2\text{O}$  are added to the original components as follows (wt %): 70.8—80  $\text{SiO}_2+\text{TiO}_2$ ; 5.6—13.86  $\text{Al}_2\text{O}_3+\text{CaO}+\text{MgO}$ ; 11.9—14.19  $\text{NaO}+\text{K}_2\text{O}+\text{Li}_2\text{O}$ ; about 2.5  $\text{MnO}$ ; about 2 F. [Translation] [NT]

SUB CODE: 11/ SUBM DATE: 08Apr65/

Card 1/1 UDC: 666.113.821'621'46'41'34'33'32'28'16 666.189.211

L 02373-67 EWF(a)/EWT(m) WH  
ACC NR: AP6032502

SOURCE CODE: UR/0413/66/000/017/0061/0061

32  
B

INVENTOR: Mazo, E. E.; Iodo, S. S.; Yakimovich, V. I.; Fridman, R. M.

ORG: none

TITLE: Opalescent glass containing no lead. Class 32, No. 185466 15

SOURCE: Izobreteniya, promyshlennyye obratzuy, tovarnyye znaki, no. 17, 1966, 61

TOPIC TAGS: opalescent glass, illumination engineering, glass, *light scattering glass*

ABSTRACT: An Author Certificate has been issued for opalescent glass containing no lead with high illumination engineering properties. The glass has the following composition:  $\psi$  SiO<sub>2</sub>, 60.3%; Al<sub>2</sub>O<sub>3</sub>, 8.5%; CaO, 1.1%; SrO, 3%; ZnO, 2%; Na<sub>2</sub>O, 16.3%; ZrO<sub>2</sub>, 2.5%; crysolite, 6%. [BO]

SUB CODE: 11/ SUBM DATE: 26Oct61

Card 1/1 vmb

UDC: 666.22 : 666.263

YAKIMOVICH, Yadviga Vladimirovna; PLEKHANOVA, L.A., red.

[Organs of local government in the European people's  
democracies] Mestnye organy gosudarstvennoi vlasti  
evropeiskikh stran narodnoi demokratii. Moskva, Izd-  
vo "Iuridicheskaya literatura," 1964. 205 p.  
(MIRA 17:7)

YAKIMOVSKAYA, A

USSR/Pharmacology. Toxicology. Chemotherapeutical V  
Preparations

Abs Jour : Ref Zhur-Biol., No 8, 1958, 37706

Author : Venulet I., Yakimovskaya K., Arbanskaya A.

Inst : Not given

Title : Conduct of Hydroxamic Acids in Animal Orga-  
nisms (Povedeniye gidroksamovykh kislot v zhi-  
votnykh organizmakh)

Orig Pub : Byul. Pol'skoy AN, 1956, Otd. 2, 4, No 5, 195-201

Abstract : The blood content of salicyl hydroxamic acid  
(I) 5-brom-salicyl hydroxamic acids (II) was de-  
termined colometrically. I and II were found in  
the blood in the amount of 16 mg/ml in the first  
4 minutes after their administration in a dose  
of 0.05 g/kg the color reaction disappeared 25-40  
minutes later. In large quantities both prepara-  
tions (50%) combine with erythrocytes, and in 30%

Card 1/2

USSR/Pharmacology. Toxicology. Chemotherapeutical V  
Preparations

Abs Jour : Ref Zhur-Biol., No 8, 1958, 37706

Abstract : quantities with the proteins. 1 and 11, how-  
ever, rapidly disappear from blood circulation.  
Their disappearance is apparently connected with  
the metabolism of the hydroxamic acids in the  
organism. In addition the authors established  
that the liver and to a lesser degree the re-  
nal organs actively decompose 1 and 11.

Card 2/2

KAUROV, I.A.; CHEKALINSKAYA, I.I.; YAKIMOVSKAYA, L.F.

*Polygonum weyrichii* as a promising silage crop for White Russia.  
Rast. res. 1 no.1:115-118 '6' (MIRA 18:6)

1. Institut eksperimental'noy botaniki i mikrobiologii AN BSSR  
i Tsentral'nyy botanicheskiy sad AN BSSR, Minsk.

S/018/63/000/001/003/003  
A004/A126

AUTHORS: Zemskov, V., Yakimovskiy, A., - Colonels

TITLE: "Military Strategy"

PERIODICAL: Voyenny vestnik, no. 1, 1963, 122 - 125

TEXT: This article is a review of the book "Voyennaya strategiya" (Military Strategy) published by a group of authors and edited by the Marshal of the Soviet Union, V.D. Sokolovskiy, which appeared at the Voenizdat in 1960. This book gives an account of the main points of Soviet military strategy as an integral part of military science. It is pointed out that the authors of this book analyzed the up-to-date situation of military strategy in detail, compare the prevailing views of the capitalist strategists and those of their Soviet counterparts, and comment on the predominant role of nuclear weapons in a future World War, particularly in the initial stages of such a war. The authors of the book emphasize that the initial period of a nuclear rocket war will be the decisive period which will predetermine the development and outcome of the whole war. Problems dealing with the methods of warfare, with the preparation of the country

Card 1/2

"Military Strategy"

S/018/63/000/001/003/003  
A004/A126

for repelling aggression and with the command of the Armed Forces hold an eminent place in the book. After enumerating all the positive sides of the book, the authors of this article criticize a number of points. They remark in particular that the authors of the book did not give a sufficient definition of the Soviet military science, did not disclose its integral parts, scope and contents of the problems studied by it and, above all, did not emphasize the fact that, even in war, military strategy should be subordinated to politics. ✓

Card 2/2

[PETROVSKIY, M.I.[Petrovs'kyi, M.I.], dots., otv. red.; GRINOVETS,  
I.F.[Hrynovets', I.F.], dots., red.; LUSHCHIK, I.O.  
[Lushchyk, I.O.], dots., red.; MIKHAYLOV, V.I.[Mykhailov,  
V.I.], dots., red.; PASTER, P.I., red.; TIVONCHUK, I.O.  
[Tyvonchuk, I.O.], kand. ekon. nauk, red.; YAREMCHISHIN,  
B.M. [Iaremchyshyn, B.M.], st. nauchn. sotr., red.;  
YAKIMTSOV, P.P., dots., red.; GRINSHPON, F.O.[Hrinshpon,  
F.O.], red.; KVITKO, I.S., red.

[Flourishing of the economy of the western provinces of  
the Ukrainian S.S.R., 1939-1964] Rozkvit ekonomiky zakhid-  
nykh oblastei URSR (1939-1964 rr., L'viv, 1964. 126 p.  
(MIRA 17:11)

1. L'vov. Universytet.

~~YAKIMUK, P.G.~~  
YAKIMUK, P.G., inzhener-mekhanik; VASILYUK, N.F.; GAL'PERIN, L.Yu.;  
ZAYTSEV, T.F.; KARPEN'KO, S.A.; STEPANENKO, A.N.; YAVORSKIY, A.A.;  
SHAGOMYALO, V.I., redaktor; GURZHIY, M.Ye., tekhnicheskij redaktor

[Tractor operator's manual] Spravochnik traktorista. Izd. 4-oe,  
perer. i dop. Kiev, Gos. izd-vo selkhoz. lit-ry USSR, 1955. 519 p.  
(Tractors--Handbooks, manuals, etc) (MIRA 9:1)

YAKIMUK, P.G.

VASILYUK, N.F.; GAL'PERIN, L.Yu.; ZAYTSEV, T.F., KARPENKO, S.A.; STEPANENKO, A.N.; YAVORSKIY, A.A.; YAKIMUK, P.G., inzhener-mekhanik, redaktor; KOZAK, F.Ye., redaktor; CHEREVATSKIY, S.A., tekhnicheskiy redaktor

[Handbook for tractor operators] Spravochnik traktorista. Izd. 5-oe, perer. i dop. Kiev, Gos. izd-vo sel'khoz. lit-ry USSR, 1956. 471 p.  
(Tractors) (MIRA 10:4)

YAKIMUK, V.Z., inzh.

Assembling industrial piping for a blast furnace with a capacity  
of 2000 cubic meters. Mont.i spets.rab.v stroi. 23 no.6:14-17  
Je '61. (MIRA 14:7)

1. Nauchno-issledovatel'skiy institut sanitarnoy tekhniki Akademii  
stroitel'stva i arkhitektury USSR.  
(Blast furnaces)

YAKIMUK, V.Z., inzh.

Installation of the technical pipes of a blast furnace. Mont.  
i spets. rab. v stroi. 24 no.9:8-12 S '62. (MIRA 15:9)

1. Trest Ukrglavmetallurgmontazh Ministroya UkrSSR.  
(Pipe fitting) (Blast furnaces)

OBVINTSEV, Val'demar Ivanovich; KHAZANOV, Yevgeniy Kharitonovich;  
YAKIMUK, Vitaliy Zakharovich; KOMENDANT, K.P., red.;  
LEUSHCHENKO, N.L., tekhn. red.

[Production of half-finished pipe units for sanitary  
engineering systems of buildings]Proizvodstvo trubozagoto-  
vok sanitarno-tehnicheskikh sistem zdani. Kiev, Gos-  
stroizdat, USSR, 1962. 45 p. (MIRA 15:8)  
(Sanitary engineering) (Pipe)

YAKIMUSHKIN, D.A.

An outstanding electrification worker of the trans-Siberian  
railroad. Elek. i tepl. tiaga 6 no.11:22-23 N '62. (MIRA 16:1)  
(Siberia--Electric railroads--Employees)

YAKIMYCHEV, B.A.

New developments in finishing cotton and staple fabrics. (MLRA 9:10)  
Tekst. prom. 16 no.8: Ag '56.

1. Glavnyy inshener Sosnevskoy otdelochnoy fabriki imeni  
Samoylova.

(Textile finishing)

YAKIMYCHEV, B.A., inzh.

New finishing machinery. Tekst.prom. 20 no.10:40-43 0'60.  
(MIRA 13:11)

(Textile machinery) (Textile finishing)

YAKIMYCHEV, B.A.; IVANOV, P.P.

Problems ripe for solution. Tekst.prom. 22 no.11:53-55 N '62.  
(MIRA 15:11)

1. Zamestitel' nachal'nika tekhnicheskogo otdela Spetsial'nogo konstruktorskogo byuro krasil'no-otdelochnogo oborudovaniya (SKB KOO) Ivanovskogo soveta narodnogo khozyaystva (for Yakimychiev).
2. Starshiy inzhener Spetsialnogo konstruktorskogo byuro krasil'no-otdelochnogo oborudovaniya Ivanovskogo soveta narodnogo khozyaystva (for Ivanov).  
(Textile finishing) (Dyes and dyeing)

YAKIMYCHEV, B.A.; IVANOV, P.P.

New equipment for textile dyeing and finishing factories.

Tekst.prom. 23 no.1:15-17 Ja '63.

(MIRA 16:2)

1. Zamestitel' nachal'nika tekhnicheskogo otdela Spetsial'nogo konstruktorskogo byuro po proyektirovaniyu krasil'no-otdelochnogo oborudovaniya (SKB K00) Ivanovskogo soveta narodnogo khozyaystva (for Yakimychhev). 2. Starshiy inzhener tekhnicheskogo otdela Spetsial'nogo konstruktorskogo byuro po proyektirovaniyu krasil'no-otdelochnogo oborudovaniya (SKB K00) Ivanovskogo soveta narodnogo khozyaystva (for Ivanov).  
(Textile machinery)

YAKIMYUK, D.I.

Endometriosis of the anterior peritoneum. Khirurgia no.12:68-69  
D' 55. (MIRA 9:7)

1. Iz fakul'tetskoy khirurgicheskoy kliniki, Dnepropetrovsk.  
(ENDOMETRIOSIS)